

IN THE CLAIMS

1. (currently amended) A method of creating an internal channel of a fluid-ejection device, the method comprising:

encapsulating at least a portion of a channel core that corresponds to the internal channel in a molten material of an element of the fluid-ejection device;

solidifying the molten material so that the at least the portion of the channel core is contained within the element; and

using a solvent to dissolve the at least the portion of the channel core from the element after solidifying the molten material;

wherein encapsulating the channel core in the element of the fluid-ejection device comprises:

forming the channel core in a groove of a component of the element of the fluid-ejection device; and

disposing the molten material of the element of the fluid-ejection device on the component so as to cover the channel core.

2. (previously presented) The method of claim 1, wherein the channel core is a water-soluble channel core.
3. (previously presented) The method of claim 1, wherein the channel core is a composite channel core.
4. (original) The method of claim 3, wherein the composite channel core comprises a soluble material and insoluble particles dispersed within the soluble material.
- 5-6 (canceled)

7. (canceled)
8. (previously presented) A method of creating an internal channel of a fluid-ejection device, the method comprising:
 - forming a channel core that corresponds to the internal channel from a soluble material;
 - disposing the channel core within a mold cavity;
 - injecting a molten material of an element of the fluid-ejection device into the mold cavity so as to encapsulate at least a portion of the channel core;
 - after the molten material of the element of the fluid-ejection device solidifies within the mold cavity, removing the element of the fluid-ejection device from the mold while the at least the portion of the channel core is encapsulated by the solidified material of the element of the fluid-ejection device; and
 - dissolving the at least the portion of the channel core that is encapsulated by the solidified material of the element of the fluid-ejection device after removing the element of the fluid-ejection device with the at least the portion of the channel core encapsulated thereby from the mold.
9. (previously presented) The method of claim 8, wherein forming a channel core from a soluble material comprises molding the channel core.
10. (original) The method of claim 8, wherein forming a channel core from a soluble material comprises molding a channel core having external threads.
- 11-34 (canceled)